ABSTRACT OF THE DISCLOSURE

The present invention relates to a filtering procedure for recursive digital filters installed in signal processors (DSP) operating with integers. It comprises two calculation procedures coupled with the classical calculation procedure of a

5   recursive filter, the first of which, when calculating the output value of the sample, takes into account the remainders of integer divisions by the scale factor, coming from calculating the output values for the previous samples, and the second of which replaces the default value from dividing the integer by a scale factor by the integer value closest to the result of actual division.